

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041923\
 Data File : VN077381.D
 Acq On : 19 Apr 2023 17:34
 Operator : JC\MD
 Sample : PB152199ZHE#09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152199ZHE#09

Quant Time: Apr 20 04:27:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

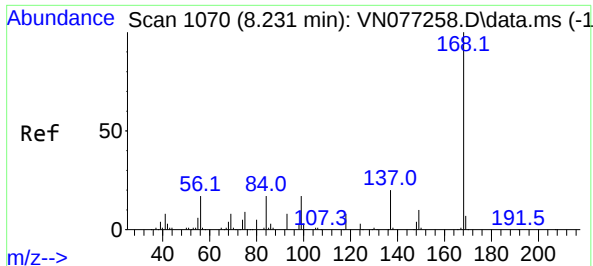
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.231	168	528162	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	988776	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	906743	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	321714	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	319237	44.224	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.440%		
35) Dibromofluoromethane	8.172	113	291552	46.060	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.120%		
50) Toluene-d8	10.572	98	1216598	47.744	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.480%		
62) 4-Bromofluorobenzene	12.854	95	374548	44.195	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.380%		
Target Compounds						Qvalue
5) Bromomethane	2.990	94	1838	0.224	ug/l #	80
11) Tert butyl alcohol	5.531	59	511	0.347	ug/l #	72
13) Acrolein	4.207	56	312	0.224	ug/l #	76
16) Acetone	4.448	43	33783	12.693	ug/l	90
18) Methyl Acetate	5.054	43	8836	0.872	ug/l	93
20) Methylene Chloride	5.290	84	39536	5.260	ug/l #	89
25) 2-Butanone	7.495	43	3392	0.785	ug/l	97
29) Tetrahydrofuran	7.860	42	977	0.352	ug/l #	58
31) Cyclohexane	8.225	56	12358	1.102	ug/l #	31
36) 1,1-Dichloropropene	8.231	75	43845	4.683	ug/l #	50
37) Ethyl Acetate	7.566	43	90889	10.851	ug/l	95
38) Carbon Tetrachloride	8.236	117	57876	6.034	ug/l #	13
42) 1,2-Dichloroethane	8.689	62	3647	0.406	ug/l #	73
43) Isopropyl Acetate	8.695	43	494796	32.013	ug/l #	87
45) 1,2-Dichloropropane	9.748	63	5948	0.858	ug/l #	41
48) Methyl methacrylate	9.660	41	9925	1.505	ug/l #	38
49) 1,4-Dioxane	9.707	88	71	0.444	ug/l #	28
51) 4-Methyl-2-Pentanone	10.360	43	315056	35.265	ug/l #	44
53) t-1,3-Dichloropropene	10.736	75	3216	0.284	ug/l #	70
54) cis-1,3-Dichloropropene	10.360	75	190367	15.759	ug/l #	61
57) 1,3-Dichloropropane	11.201	76	23898	1.928	ug/l #	42
59) 2-Hexanone	11.201	43	241110	36.226	ug/l #	51
74) N-amyl acetate	12.489	43	3146	0.266	ug/l #	50
76) 1,2,3-Trichloropropane	12.854	75	204813	26.735	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	204813	60.162	ug/l #	13

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Apr 20 04:27:18 2023
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Quant Title : SW846 8260
QLast Update : Thu Apr 06 08:27:03 2023
Response via : Initial Calibration

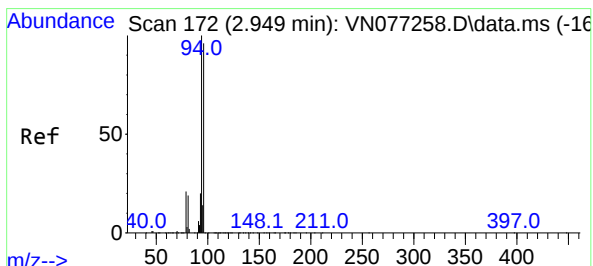
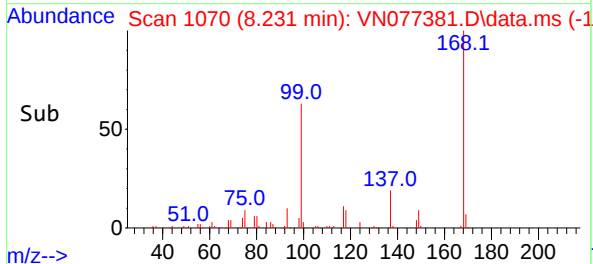
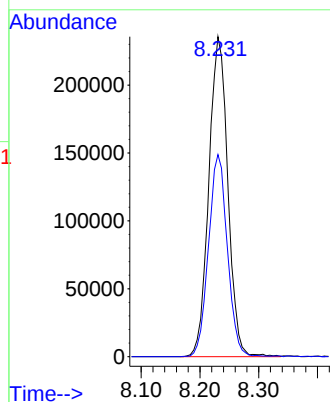
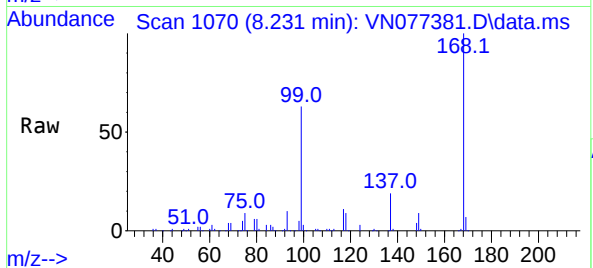




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077381.D
Acq: 19 Apr 2023 17:34

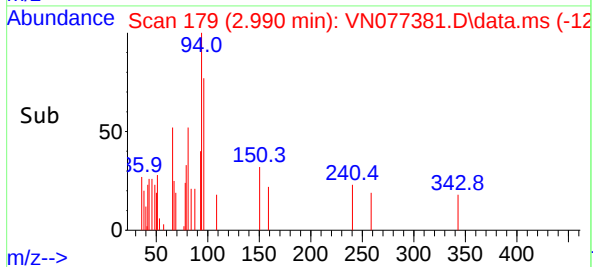
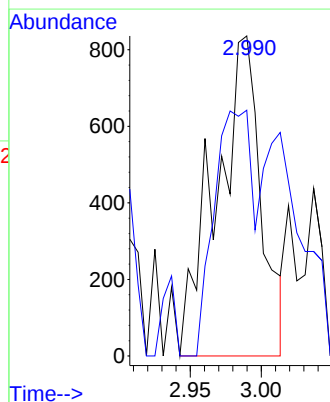
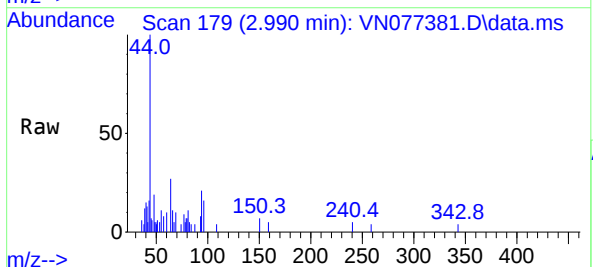
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#09

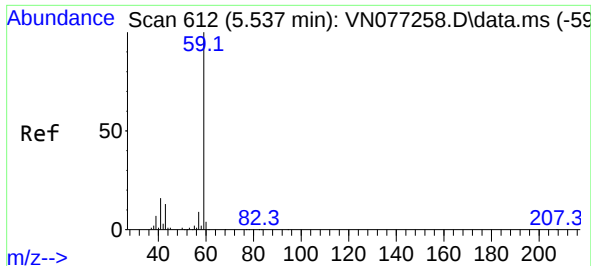
Tgt Ion:168 Resp: 528162
Ion Ratio Lower Upper
168 100
99 63.2 50.6 75.8



#5
Bromomethane
Concen: 0.224 ug/l
RT: 2.990 min Scan# 179
Delta R.T. 0.041 min
Lab File: VN077381.D
Acq: 19 Apr 2023 17:34

Tgt Ion: 94 Resp: 1838
Ion Ratio Lower Upper
94 100
96 76.8 77.0 115.4#

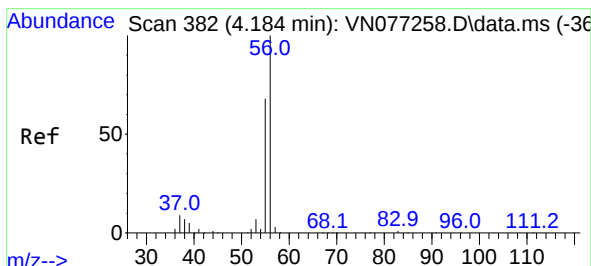
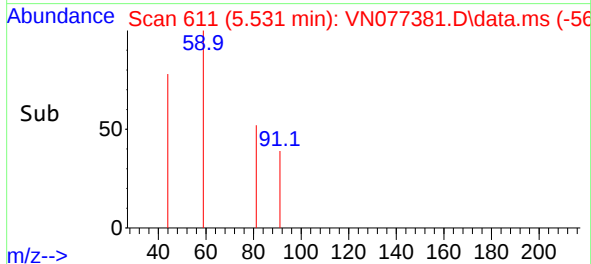
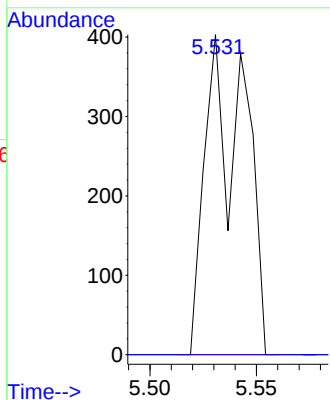
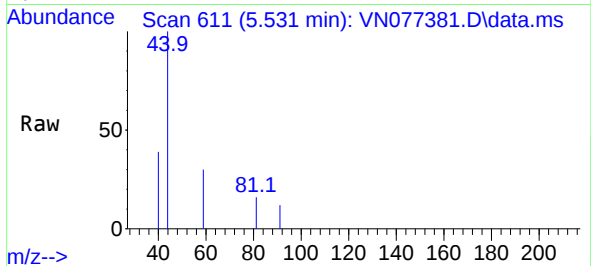




#11
Tert butyl alcohol
Concen: 0.347 ug/l
RT: 5.531 min Scan# 611
Delta R.T. -0.006 min
Lab File: VN077381.D
Acq: 19 Apr 2023 17:34

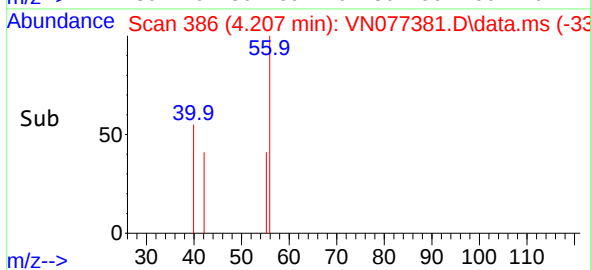
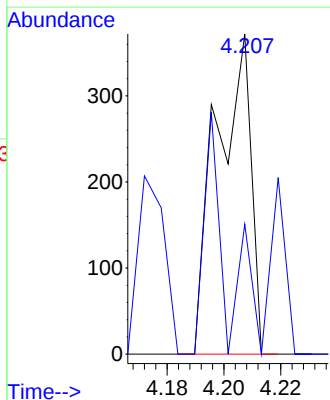
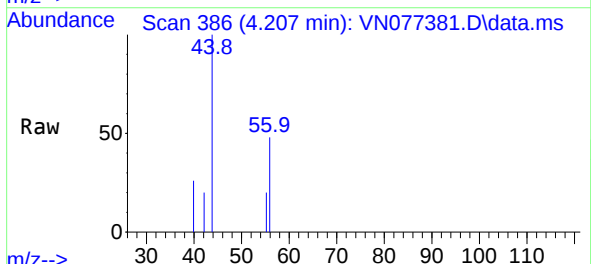
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#09

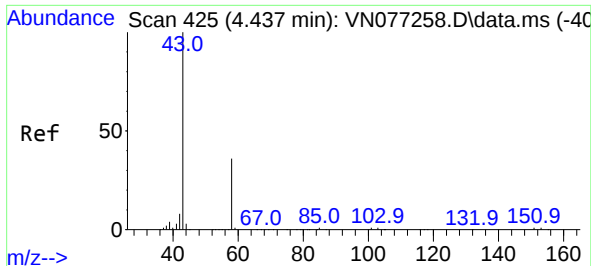
Tgt Ion: 59 Resp: 511
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.224 ug/l
RT: 4.207 min Scan# 386
Delta R.T. 0.023 min
Lab File: VN077381.D
Acq: 19 Apr 2023 17:34

Tgt Ion: 56 Resp: 312
Ion Ratio Lower Upper
56 100
55 48.7 54.2 81.2#

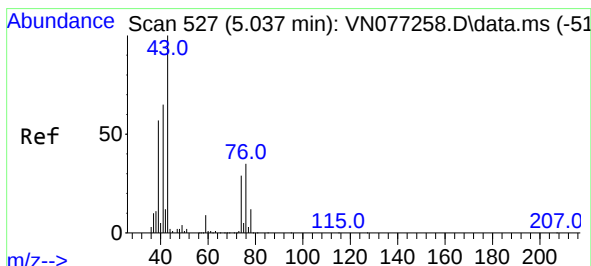
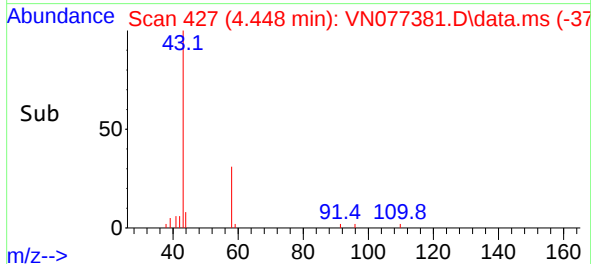
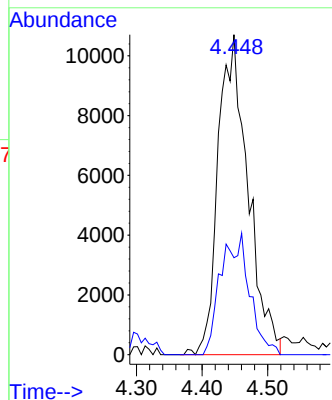
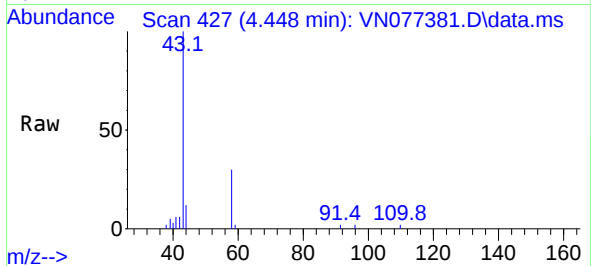




#16
Acetone
Concen: 12.693 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN077381.D
Acq: 19 Apr 2023 17:34

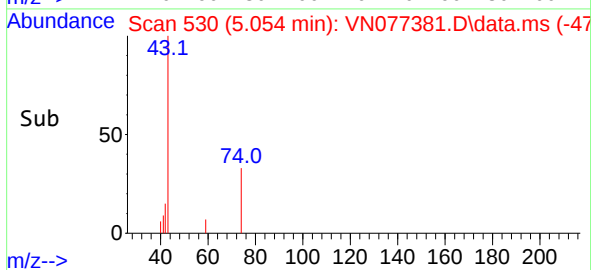
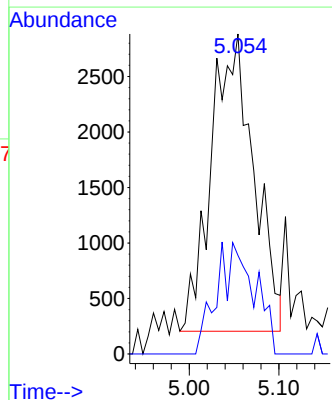
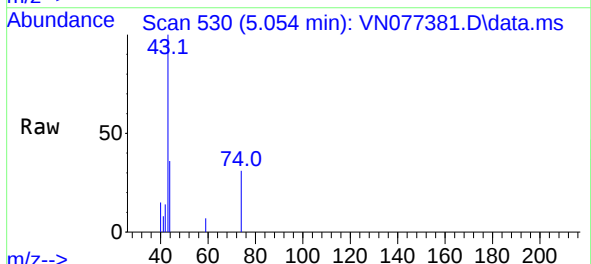
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#09

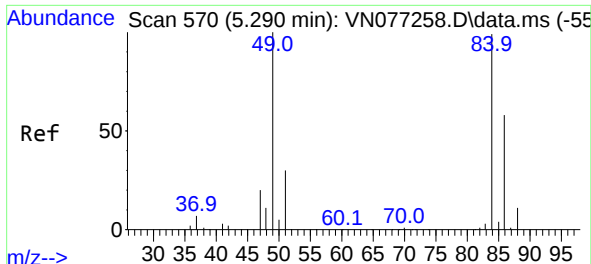
Tgt Ion: 43 Resp: 33783
Ion Ratio Lower Upper
43 100
58 30.3 29.0 43.6



#18
Methyl Acetate
Concen: 0.872 ug/l
RT: 5.054 min Scan# 530
Delta R.T. 0.017 min
Lab File: VN077381.D
Acq: 19 Apr 2023 17:34

Tgt Ion: 43 Resp: 8836
Ion Ratio Lower Upper
43 100
74 33.3 23.4 35.2

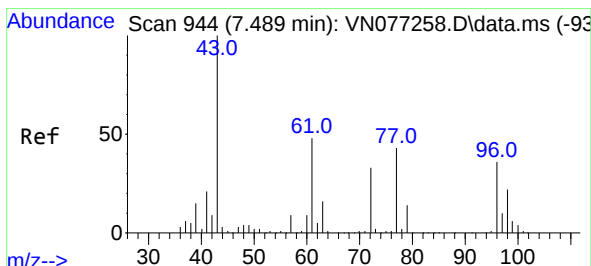
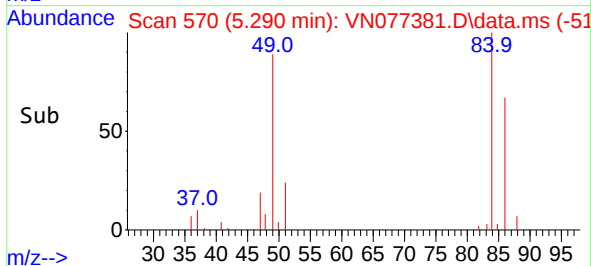
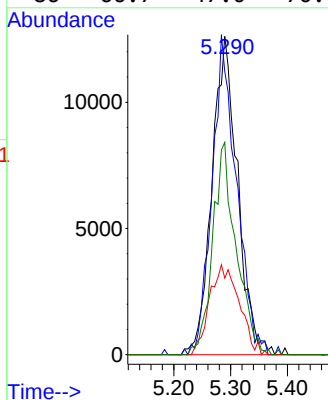
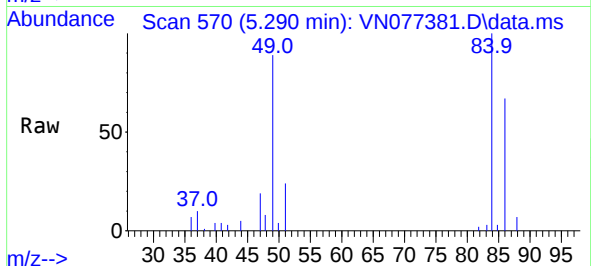




#20
Methylene Chloride
Concen: 5.260 ug/l
RT: 5.290 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077381.D
Acq: 19 Apr 2023 17:34

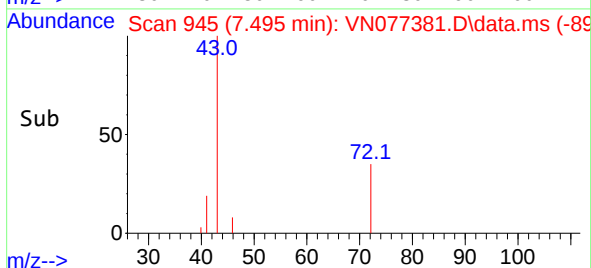
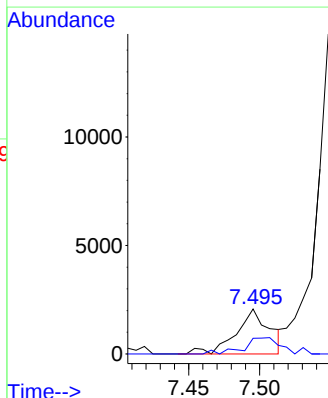
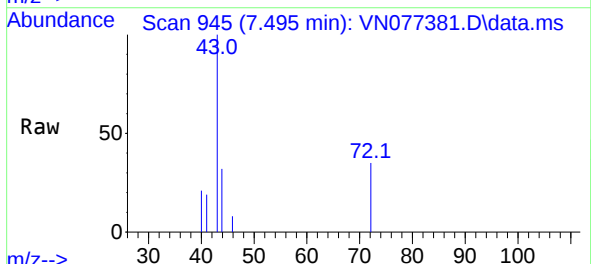
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#09

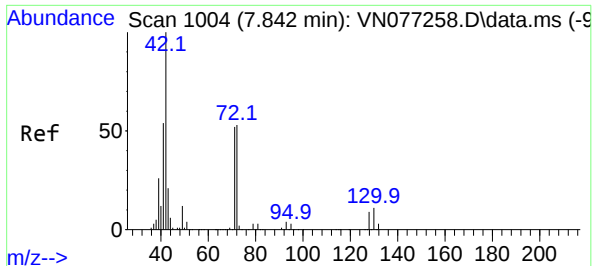
Tgt Ion:	84	Resp:	39536
Ion	Ratio	Lower	Upper
84	100		
49	89.0	80.6	121.0
51	24.1	24.4	36.6#
86	66.7	47.0	70.6



#25
2-Butanone
Concen: 0.785 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.006 min
Lab File: VN077381.D
Acq: 19 Apr 2023 17:34

Tgt Ion:	43	Resp:	3392
Ion	Ratio	Lower	Upper
43	100		
72	34.8	26.6	39.8





#29

Tetrahydrofuran

Concen: 0.352 ug/l

RT: 7.860 min Scan# 1069

Delta R.T. 0.018 min

Lab File: VN077381.D

Acq: 19 Apr 2023 17:34

Instrument :

MSVOA_N

ClientSampleId :

PB152199ZHE#09

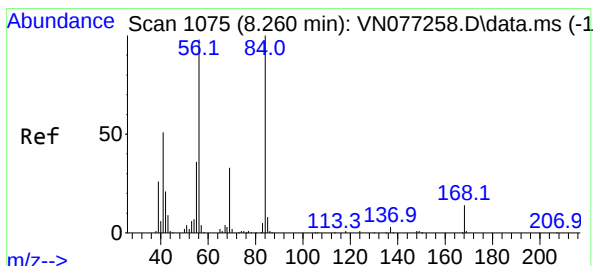
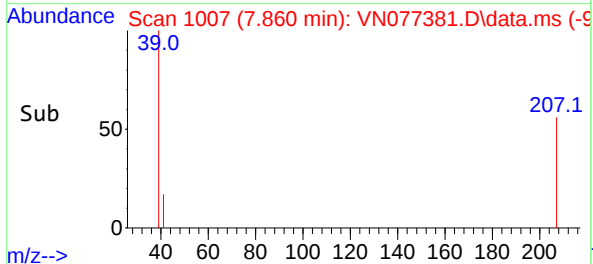
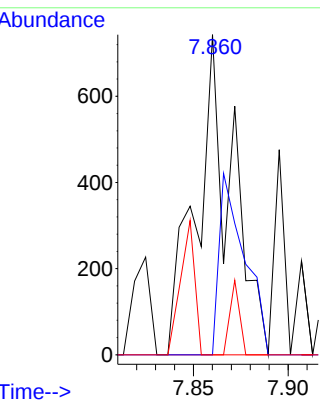
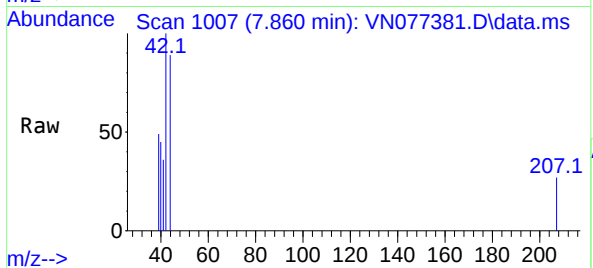
Tgt Ion: 42 Resp: 977

Ion Ratio Lower Upper

42 100

72 40.3 44.6 66.8#

71 6.2 41.3 61.9#



#31

Cyclohexane

Concen: 1.102 ug/l

RT: 8.225 min Scan# 1069

Delta R.T. -0.035 min

Lab File: VN077381.D

Acq: 19 Apr 2023 17:34

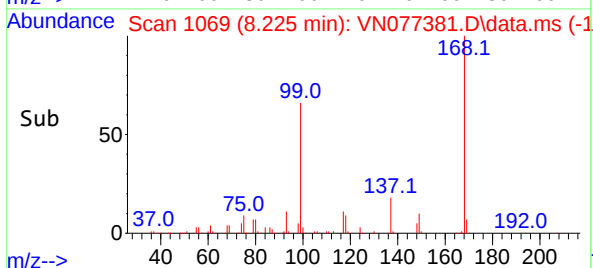
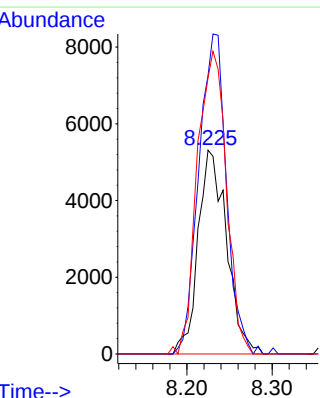
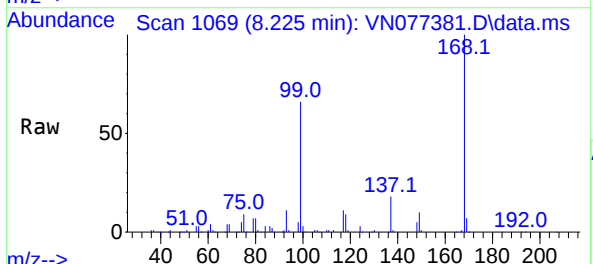
Tgt Ion: 56 Resp: 12358

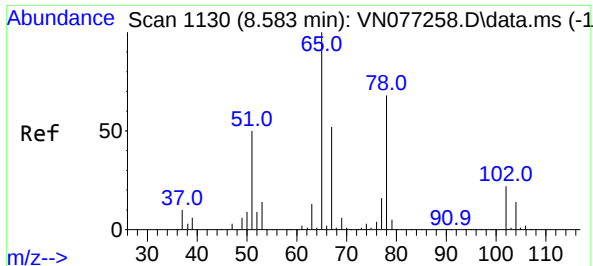
Ion Ratio Lower Upper

56 100

69 136.7 26.6 40.0#

84 135.5 81.8 122.8#

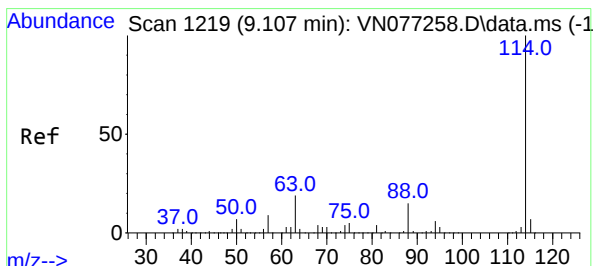
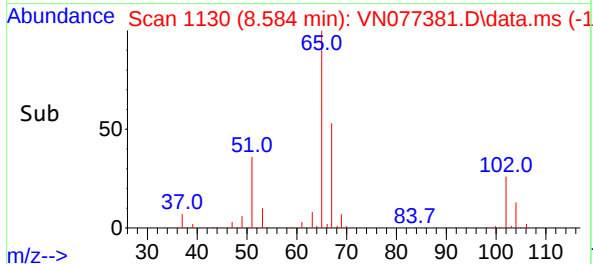
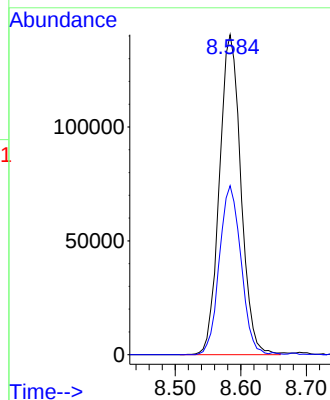
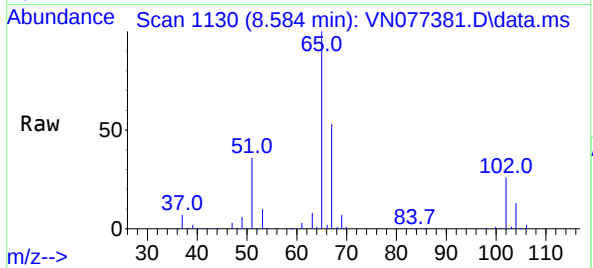




#33
1,2-Dichloroethane-d4
Concen: 44.224 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. 0.001 min
Lab File: VN077381.D
Acq: 19 Apr 2023 17:34

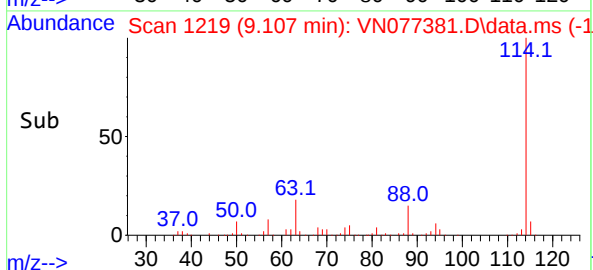
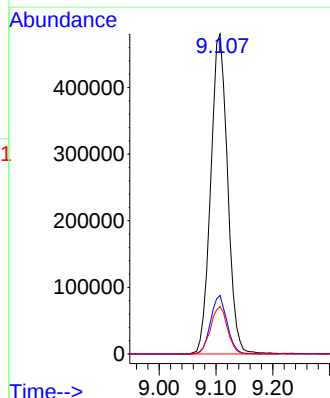
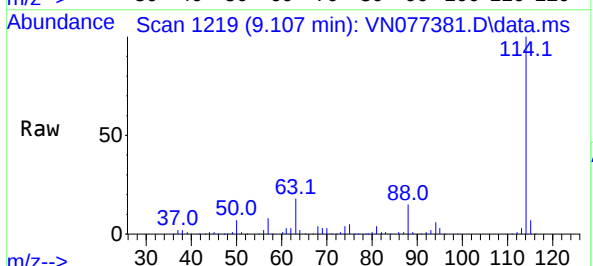
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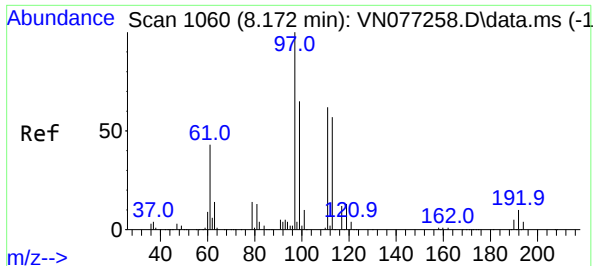
Tgt Ion: 65 Resp: 319237
Ion Ratio Lower Upper
65 100
67 53.2 0.0 108.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VN077381.D
Acq: 19 Apr 2023 17:34

Tgt Ion: 114 Resp: 988776
Ion Ratio Lower Upper
114 100
63 18.3 0.0 37.8
88 14.8 0.0 29.4

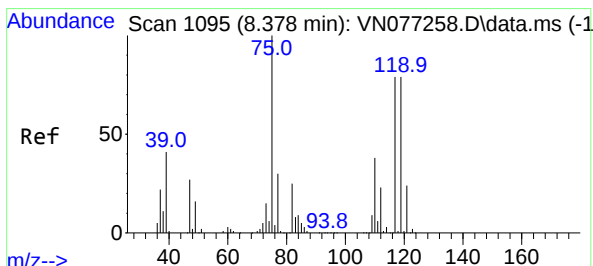
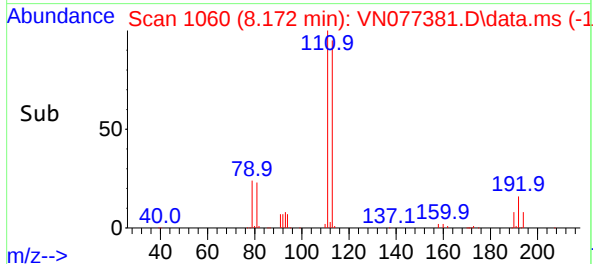
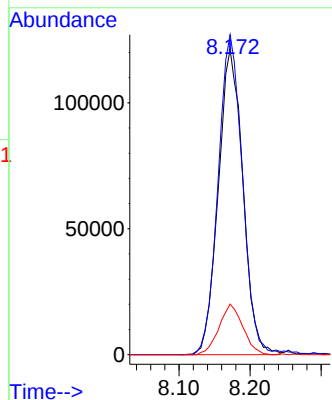
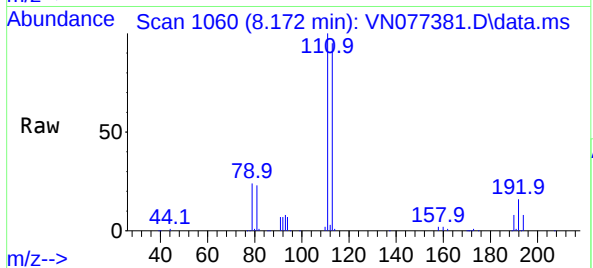




#35
Dibromofluoromethane
Concen: 46.060 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077381.D
Acq: 19 Apr 2023 17:34

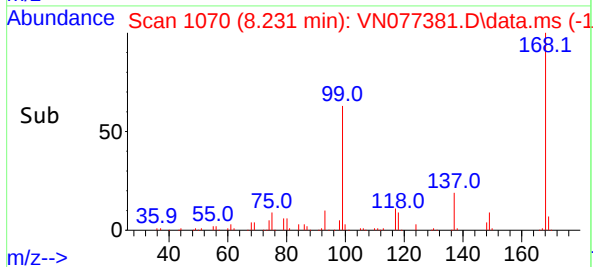
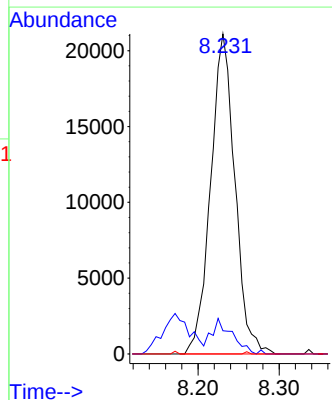
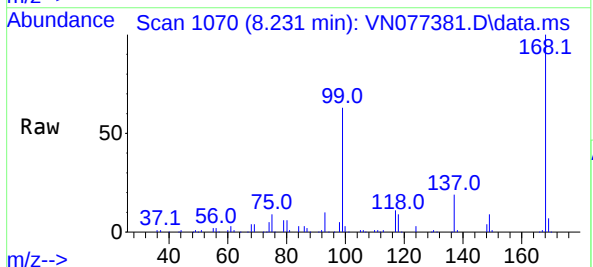
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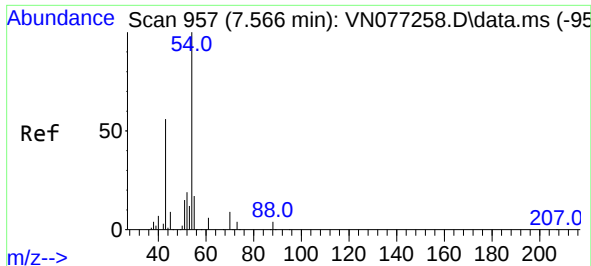
Tgt Ion:113 Resp: 291552
Ion Ratio Lower Upper
113 100
111 103.9 83.4 125.0
192 16.0 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.683 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN077381.D
Acq: 19 Apr 2023 17:34

Tgt Ion: 75 Resp: 43845
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.5#
77 0.0 25.0 37.4#

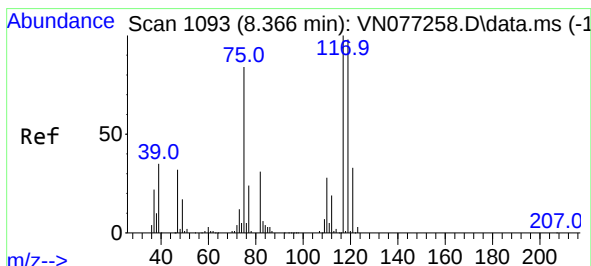
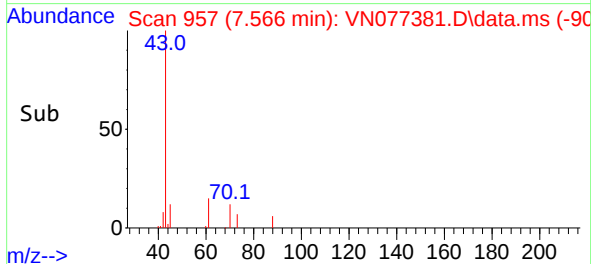
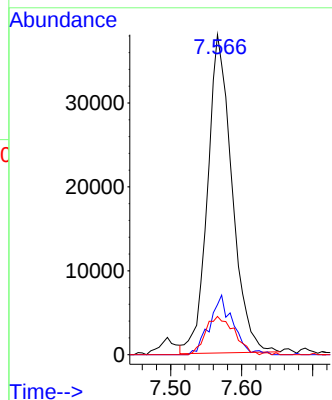
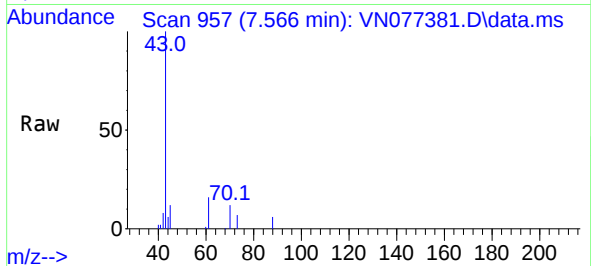




#37
Ethyl Acetate
Concen: 10.851 ug/l
RT: 7.566 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN077381.D
Acq: 19 Apr 2023 17:34

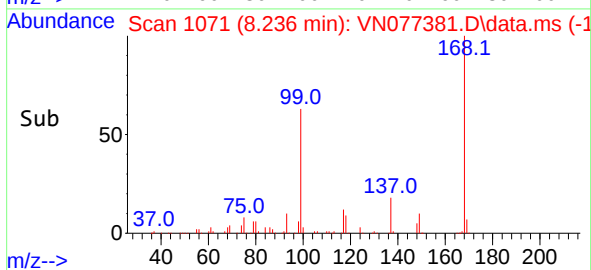
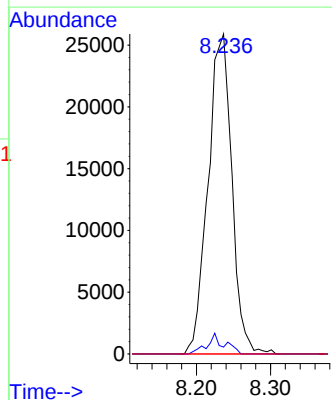
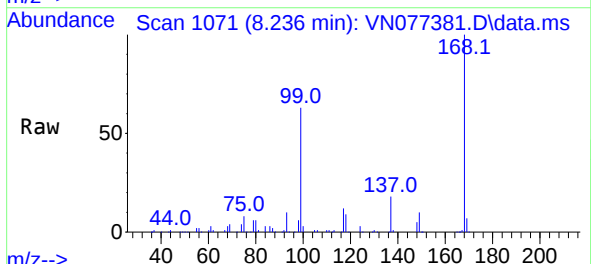
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#09

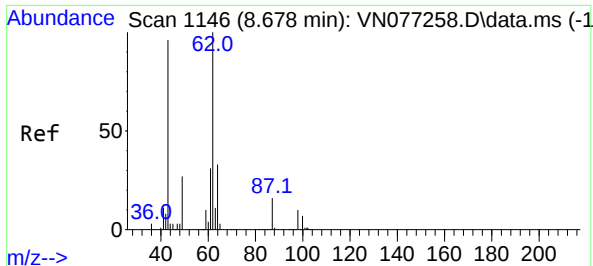
Tgt Ion: 43 Resp: 90889
Ion Ratio Lower Upper
43 100
61 17.9 12.2 18.2
70 14.1 10.0 15.0



#38
Carbon Tetrachloride
Concen: 6.034 ug/l
RT: 8.236 min Scan# 1071
Delta R.T. -0.130 min
Lab File: VN077381.D
Acq: 19 Apr 2023 17:34

Tgt Ion: 117 Resp: 57876
Ion Ratio Lower Upper
117 100
119 2.1 78.5 117.7#
121 0.0 26.6 40.0#

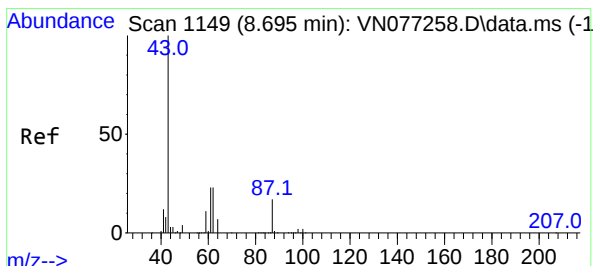
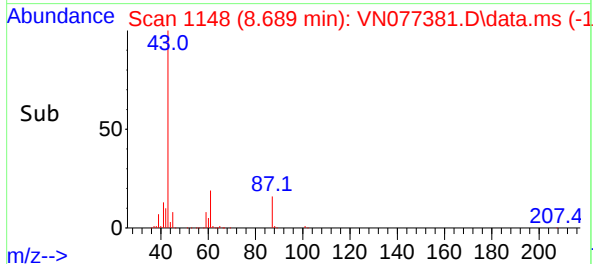
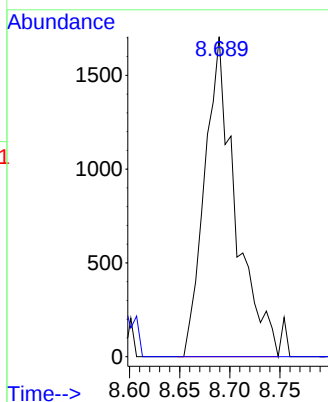
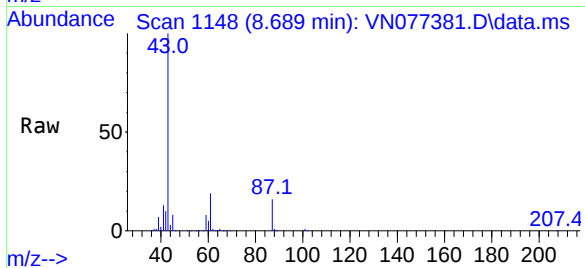




#42
1,2-Dichloroethane
Concen: 0.406 ug/l
RT: 8.689 min Scan# 1146
Delta R.T. 0.011 min
Lab File: VN077381.D
Acq: 19 Apr 2023 17:34

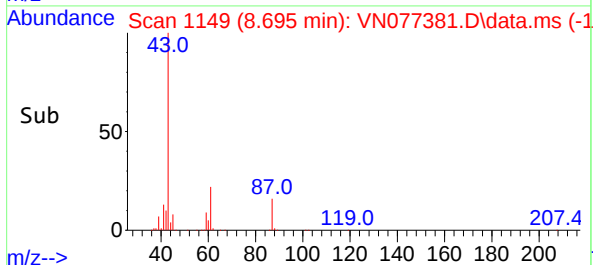
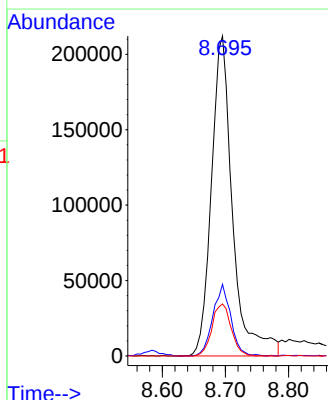
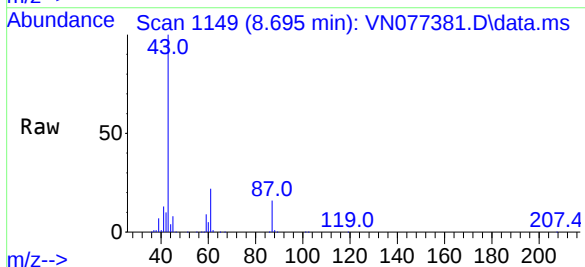
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#09

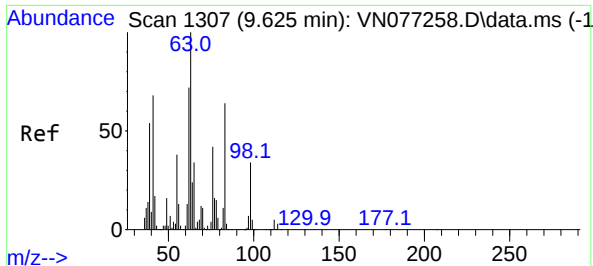
Tgt Ion: 62 Resp: 3647
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2



#43
Isopropyl Acetate
Concen: 32.013 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077381.D
Acq: 19 Apr 2023 17:34

Tgt Ion: 43 Resp: 494796
Ion Ratio Lower Upper
43 100
61 18.9 22.7 34.1#
87 14.7 13.6 20.4

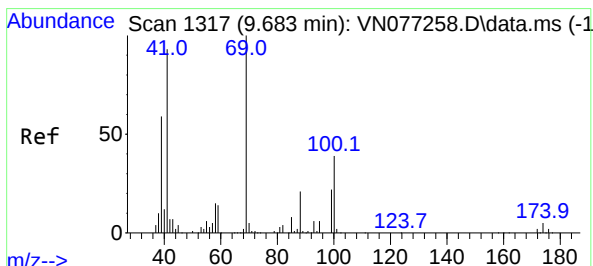
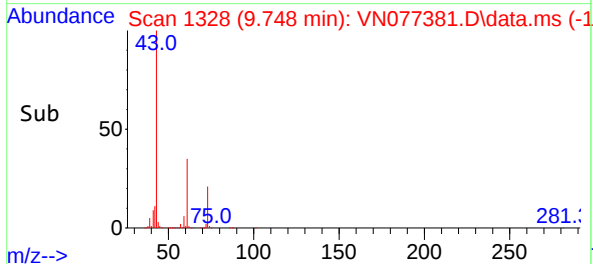
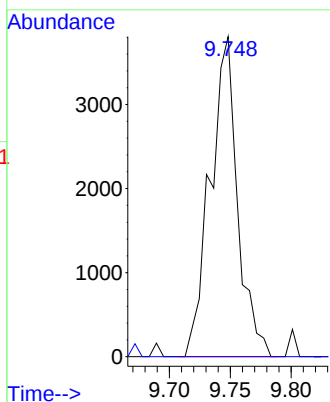
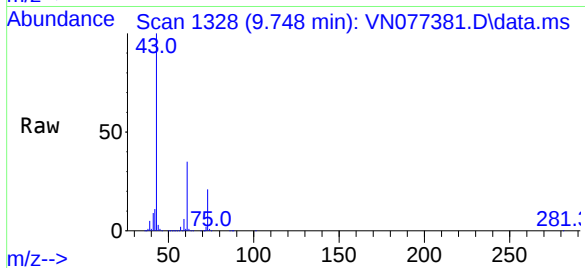




#45
1,2-Dichloropropane
Concen: 0.858 ug/l
RT: 9.748 min Scan# 11
Delta R.T. 0.123 min
Lab File: VN077381.D
Acq: 19 Apr 2023 17:34

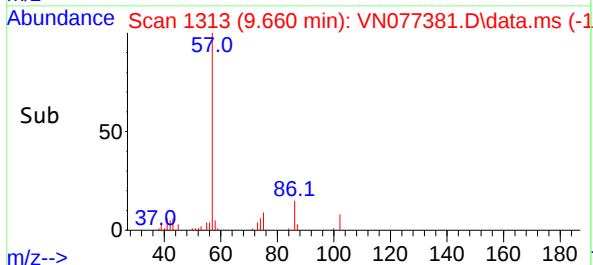
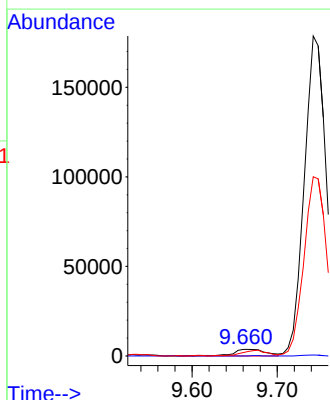
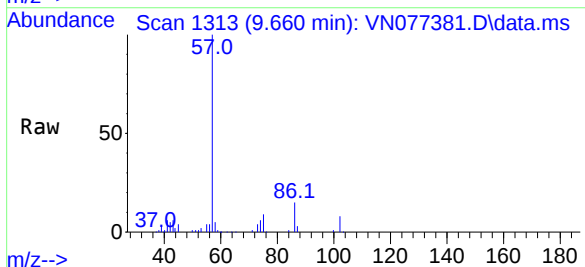
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#09

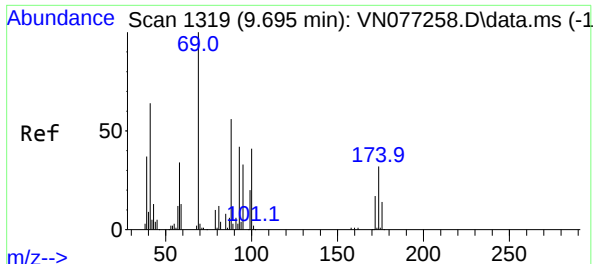
Tgt Ion: 63 Resp: 5948
Ion Ratio Lower Upper
63 100
65 0.0 27.1 40.7#



#48
Methyl methacrylate
Concen: 1.505 ug/l
RT: 9.660 min Scan# 1313
Delta R.T. -0.023 min
Lab File: VN077381.D
Acq: 19 Apr 2023 17:34

Tgt Ion: 41 Resp: 9925
Ion Ratio Lower Upper
41 100
69 1.4 85.0 127.6#
39 66.4 53.5 80.3

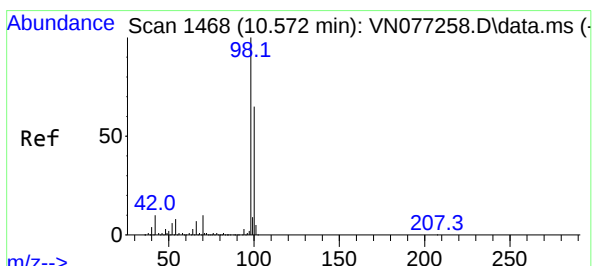
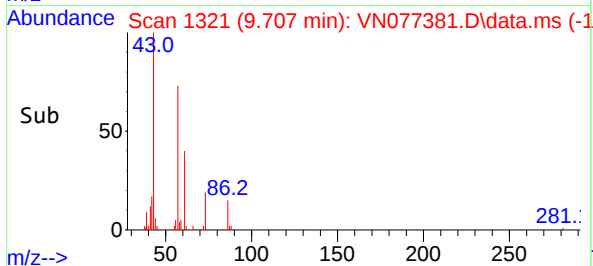
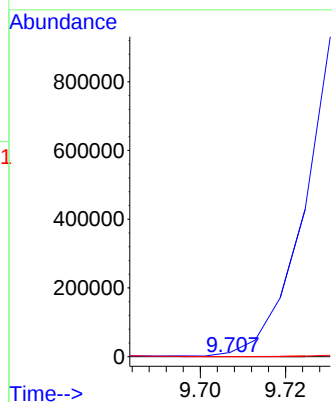
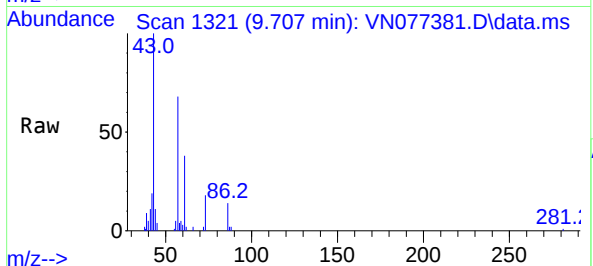




#49
1,4-Dioxane
Concen: 0.444 ug/l
RT: 9.707 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN077381.D
Acq: 19 Apr 2023 17:34

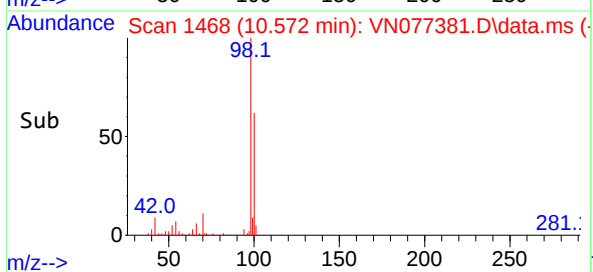
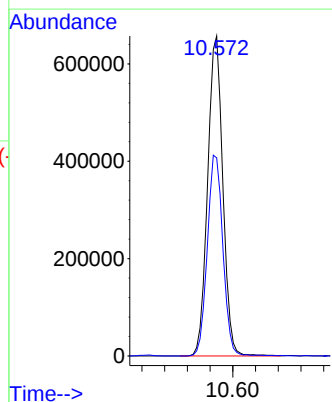
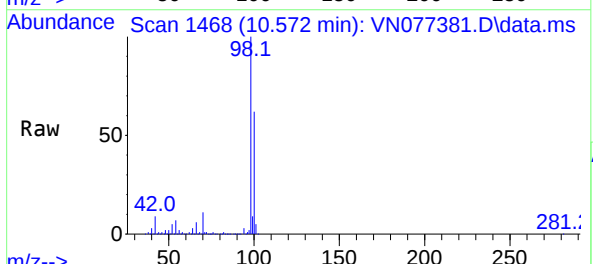
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#09

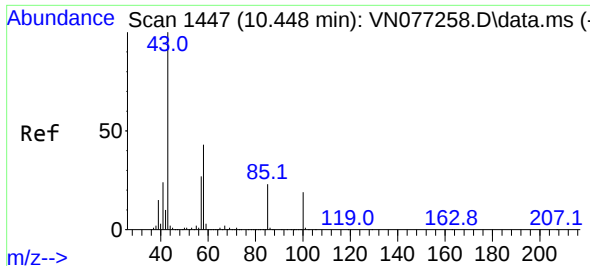
Tgt Ion: 88 Resp: 71
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 0.0 49.8 74.6#



#50
Toluene-d8
Concen: 47.744 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077381.D
Acq: 19 Apr 2023 17:34

Tgt Ion: 98 Resp: 1216598
Ion Ratio Lower Upper
98 100
100 64.1 51.3 76.9

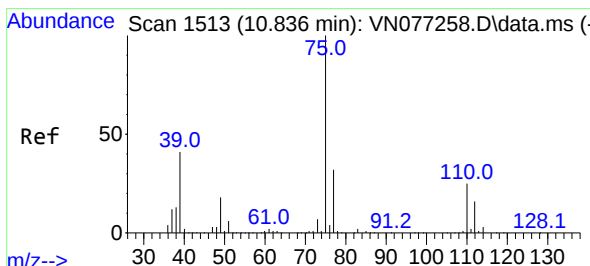
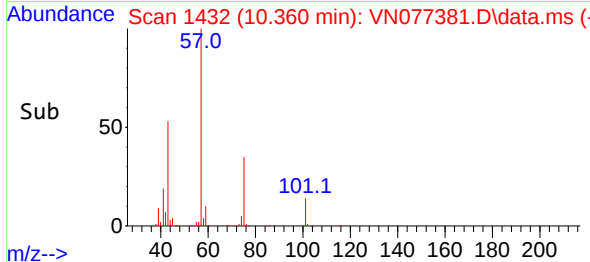
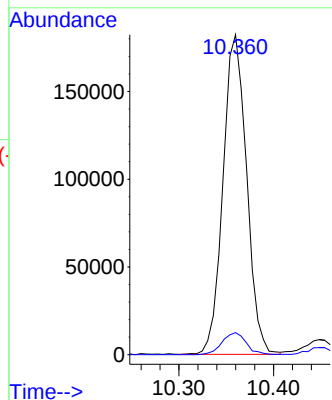
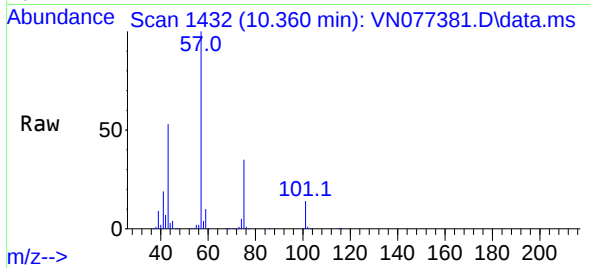




#51
4-Methyl-2-Pentanone
Concen: 35.265 ug/l
RT: 10.360 min Scan# 1447
Delta R.T. -0.088 min
Lab File: VN077381.D
Acq: 19 Apr 2023 17:34

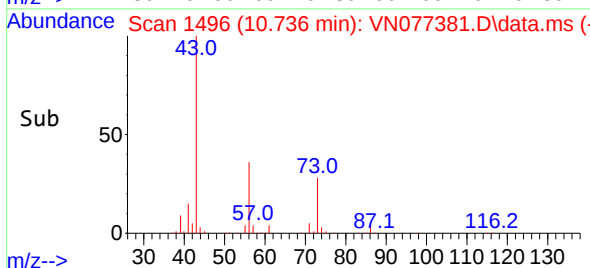
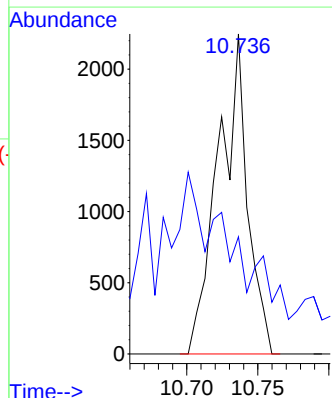
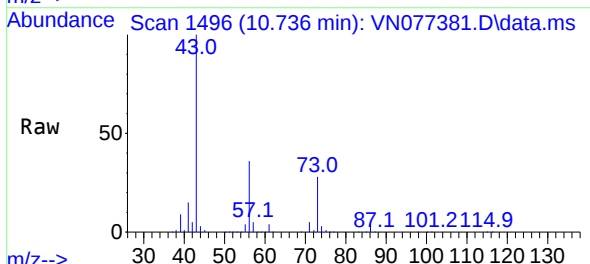
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#09

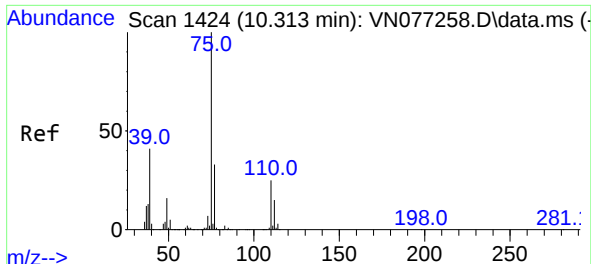
Tgt Ion: 43 Resp: 315056
Ion Ratio Lower Upper
43 100
58 7.1 34.6 52.0#



#53
t-1,3-Dichloropropene
Concen: 0.284 ug/l
RT: 10.736 min Scan# 1496
Delta R.T. -0.100 min
Lab File: VN077381.D
Acq: 19 Apr 2023 17:34

Tgt Ion: 75 Resp: 3216
Ion Ratio Lower Upper
75 100
77 15.0 25.4 38.0#

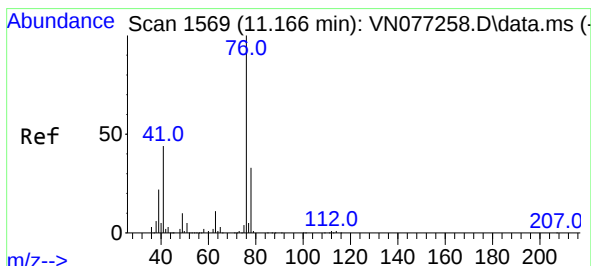
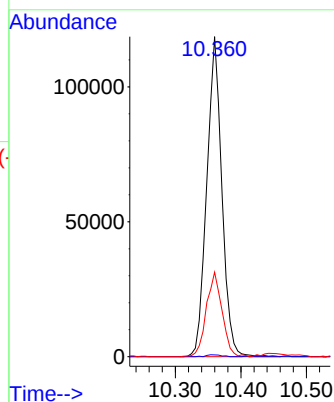
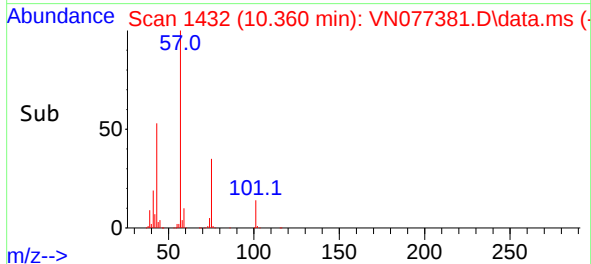
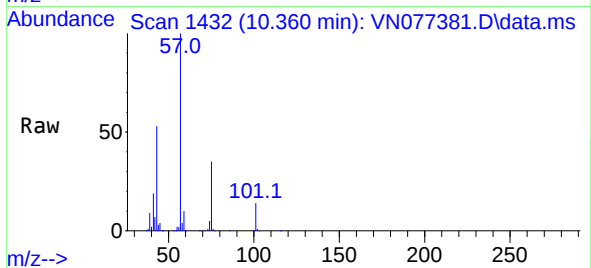




#54
cis-1,3-Dichloropropene
Concen: 15.759 ug/l
RT: 10.360 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN077381.D
Acq: 19 Apr 2023 17:34

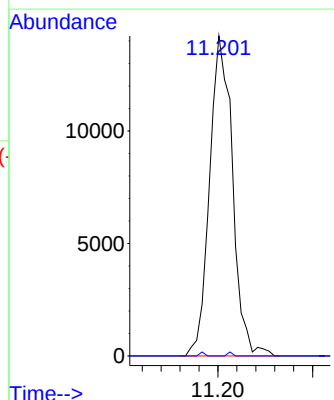
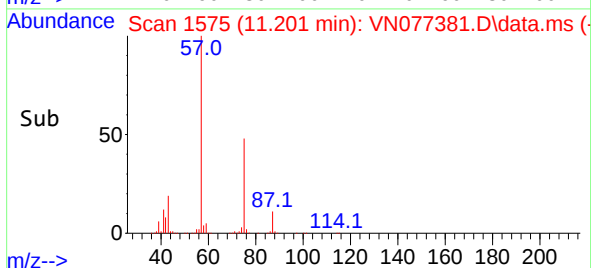
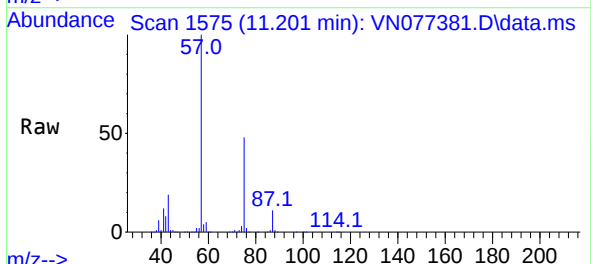
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#09

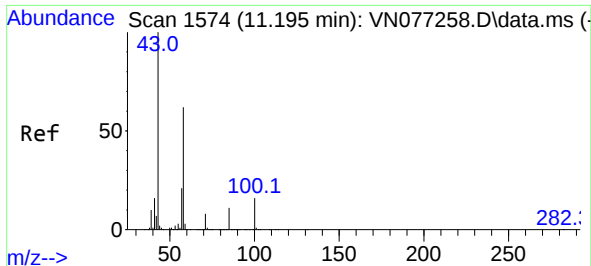
Tgt Ion: 75 Resp: 190367
Ion Ratio Lower Upper
75 100
77 0.6 26.7 40.1#
39 26.4 32.8 49.2#



#57
1,3-Dichloropropane
Concen: 1.928 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.035 min
Lab File: VN077381.D
Acq: 19 Apr 2023 17:34

Tgt Ion: 76 Resp: 23898
Ion Ratio Lower Upper
76 100
78 0.3 26.2 39.4#

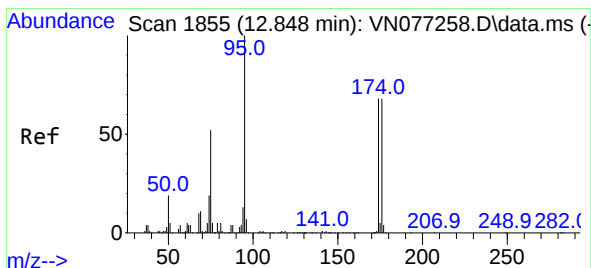
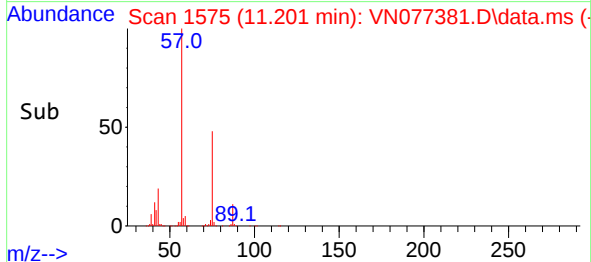
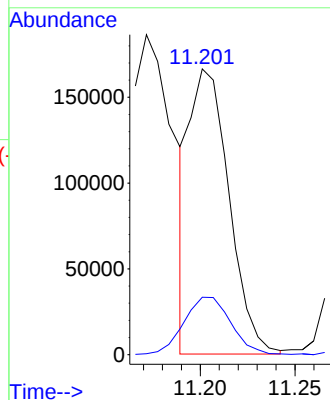
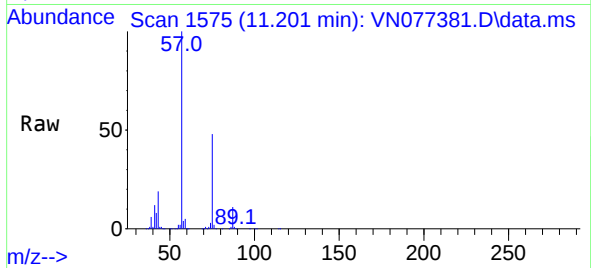




#59
2-Hexanone
Concen: 36.226 ug/l
RT: 11.201 min Scan# 111
Delta R.T. 0.006 min
Lab File: VN077381.D
Acq: 19 Apr 2023 17:34

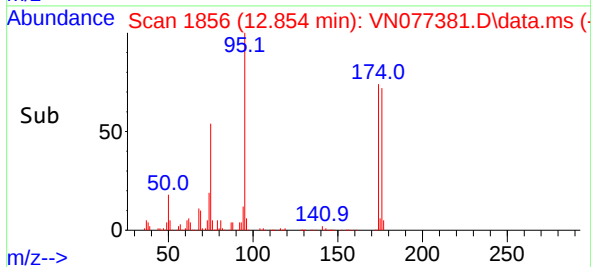
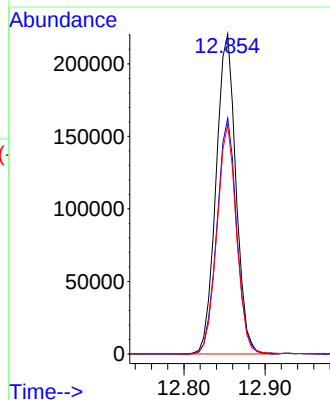
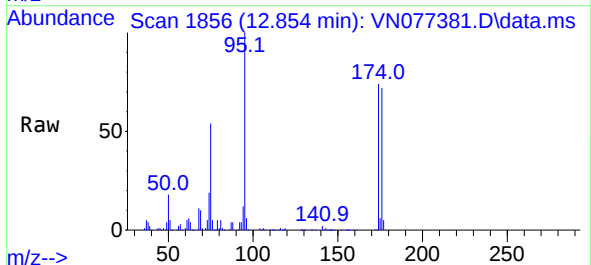
Instrument :
MSVOA_N
ClientSampleId :
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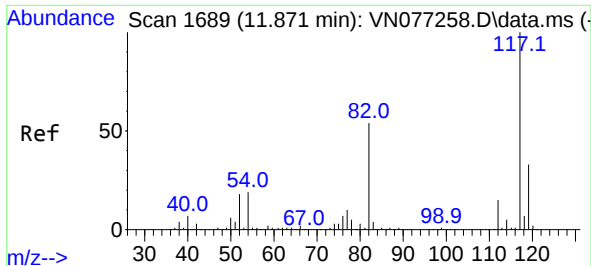
Tgt Ion: 43 Resp: 241110
Ion Ratio Lower Upper
43 100
58 24.2 30.9 92.5#



#62
4-Bromofluorobenzene
Concen: 44.195 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077381.D
Acq: 19 Apr 2023 17:34

Tgt Ion: 95 Resp: 374548
Ion Ratio Lower Upper
95 100
174 73.2 0.0 146.8
176 70.5 0.0 139.6

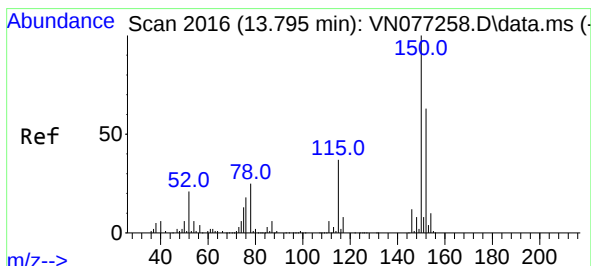
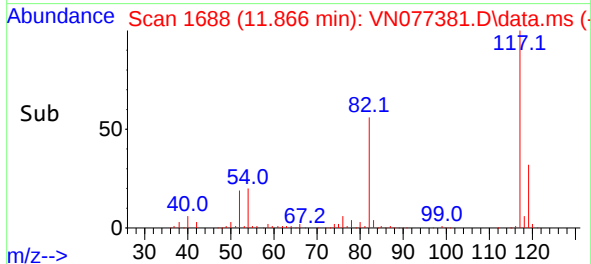
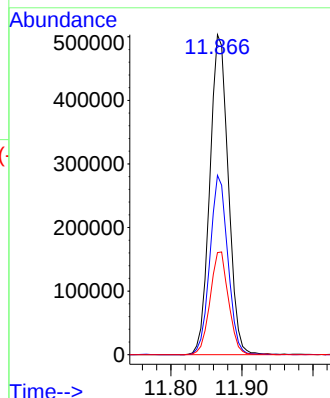
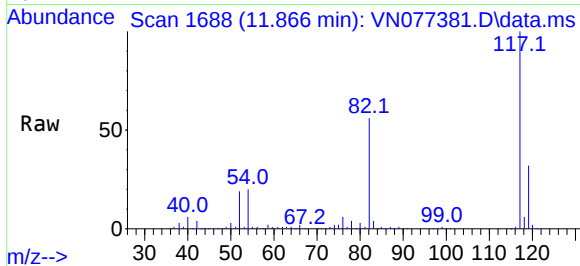




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN077381.D
Acq: 19 Apr 2023 17:34

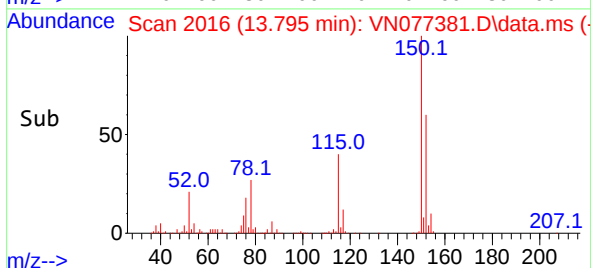
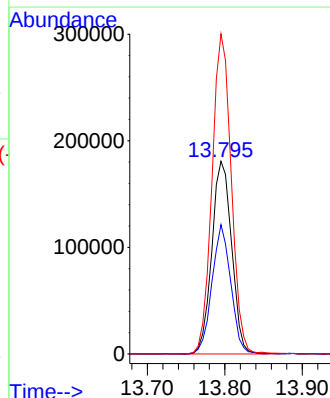
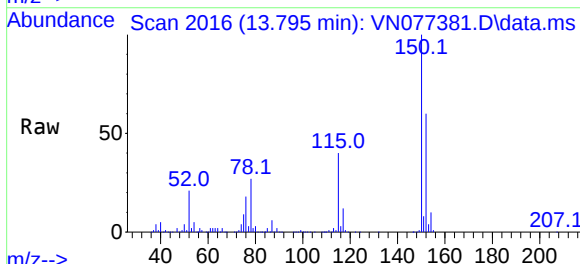
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#09

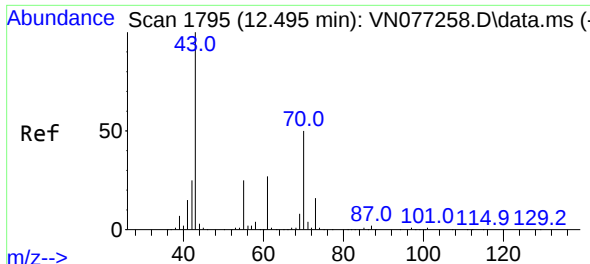
Tgt Ion:117 Resp: 906743
Ion Ratio Lower Upper
117 100
82 56.0 42.9 64.3
119 31.9 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077381.D
Acq: 19 Apr 2023 17:34

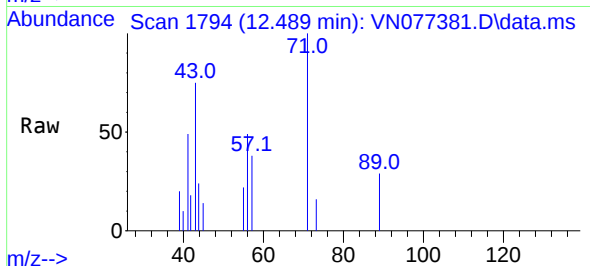
Tgt Ion:152 Resp: 321714
Ion Ratio Lower Upper
152 100
115 63.4 32.1 96.3
150 161.3 0.0 354.8





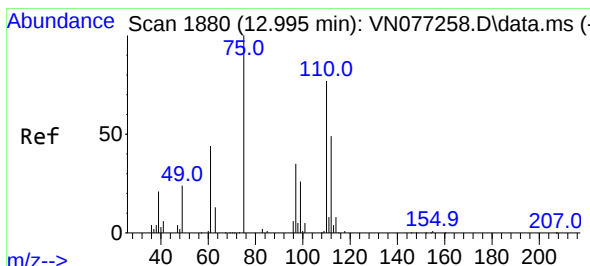
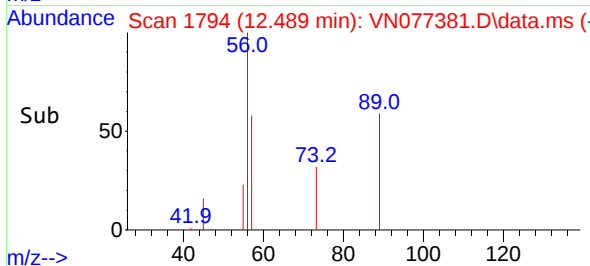
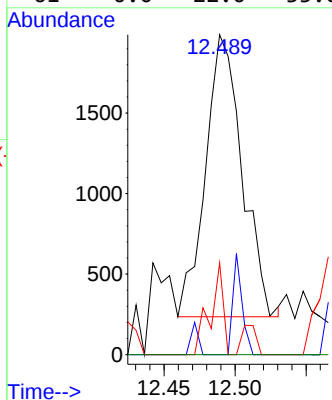
#74
N-amy1 acetate
Concen: 0.266 ug/l
RT: 12.489 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN077381.D
Acq: 19 Apr 2023 17:34

Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#09



Tgt Ion: 43 Resp: 3146

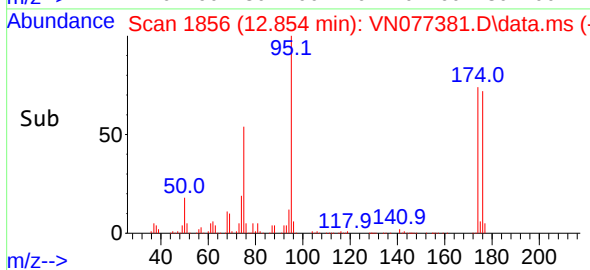
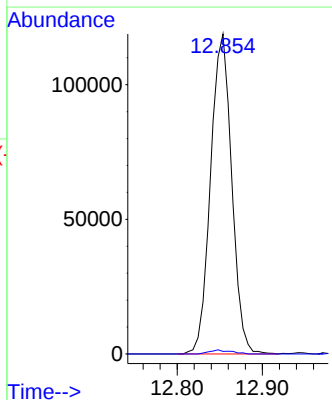
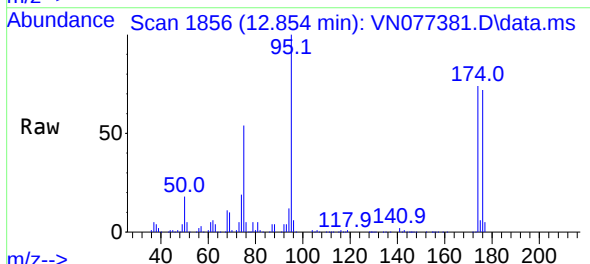
Ion	Ratio	Lower	Upper
43	100		
70	9.0	41.0	61.6#
55	11.5	19.3	28.9#
61	0.0	22.0	33.0#

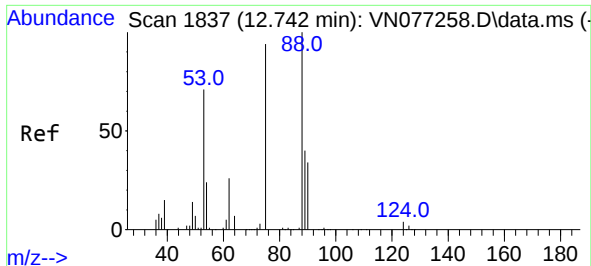


#76
1,2,3-Trichloropropane
Concen: 26.735 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077381.D
Acq: 19 Apr 2023 17:34

Tgt Ion: 75 Resp: 204813

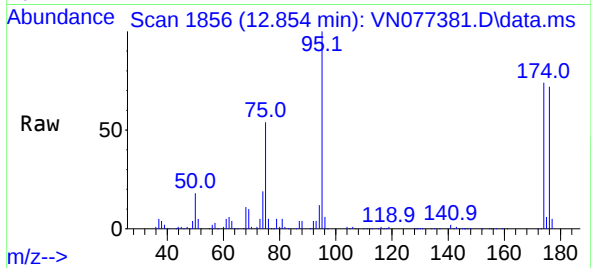
Ion	Ratio	Lower	Upper
75	100		
77	1.3	88.3	264.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 60.162 ug/l
RT: 12.854 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN077381.D
Acq: 19 Apr 2023 17:34

Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#09



Tgt Ion: 75 Resp: 204813
Ion Ratio Lower Upper
75 100
53 0.0 72.8 109.2#
89 0.0 37.4 56.2#

